33898 S/640/61/000/000/019/035 D205/D302

Non-metallic inclusions ...

containing Zr, dendritic non-stoichiometric zirconium monocarbide is the only one observed. There are 4 figures and 5 references: 1 Soviet-bloc and 4 non-Soviet-bloc. The reference to the Englishlanguage publication reads as follows: R. F. Dickerson, et al., J. Metals, 8, 4, 456-460 (1956).

Card 2/2

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860020013-0"

s/137/62/000/006/066/163 A052/A101

AU'THORS:

Virgil'yev, Yu. S., Gruzin, P. L., Popov, I. V.

TITLE:

An investigation by means of radioactive isotopes of the behavior of small calcium additions in the process of smelting nickel-

chromium alloys

PERIODICAL:

Referativnyy zhurnal, Metallurgiya, no. 6, 1962, 29, abstract 60219 (In collection: "Metallurgiya i metalloved. chist. metallov". Moscow, Gosatomizdat, no. 3, 1961, 216 224)

When investigating by means of radioactive isotopes (Ca 15) under laboratory conditions the behavior of small Ca additions in the process of smelting Cr-Ni-alloys of XH80 T (KhN80T) type it has been established that Ca spreads as a rule over the ingot irregularly. Keeping alloy in a molten state contributes to a more regular distribution of Ca. The latter can be present both in non-metallic inclusions and in a solid solution, whereby the Ca content in the solution decreases sharply with the increase of the time the metal is kept in a molten state. For example, in an alloy kept after reduction during 20 minutes the amount of non-metallic inclusions has decreased approximately 6 times and

Card 1/2

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\$/137/62/000/006/066/163 A052/A101

An investigation by means of ...

their C content by more than 10,000. The kinetics data point to a speedy removal of Ca from the fusion in the process of smelting, whereby this removal proceeds most intensively in the first minutes after Ca precipitation. The amount of non-metallic inclusions and their Ca content decrease in the process of smelting.

G. Svodtseva

[Abstracter's note: Complete translation]

Card 2/2

S/137/62/000/009/011/033 A006/A101

AUTHORS:

Virgil'yev, Yu. S., Gruzin, P. L.

TITLE:

Determining the coefficient of calcium diffusion into nickel-chrome alloy and commercial iron by the method of artificial radioactive isotopes

PERIODICAL:

Referativnyy zhurnal, Metallurgiya, no. 9, 1962, 12, abstract 9177 (In collection: "Metallurgiya i metalloved. chist. metallov", no.3, Moscow, Gosatomizdat, 1961, 210 - 215)

TEXT: Diffusion of Ca into XH80T (KhN80T) Cr-Ni alloy and commercial Fe was studied with the use of Ca<sup>45</sup> radioactive isotope. Ca<sup>45</sup> was applied by rubbing-in pulverized CaO. Diffusion annealing was performed in a vacuum at 950°C. Integrated activity of the specimen was determined by removing consecutively separate layers. Activation energy  $Q_F = 91,000$  cal/mole and the pre-exponential factor  $D_O = 460$  cm<sup>2</sup>/sec for Ca diffusion in the KhN80T alloy; Q = 66,000 cal/mole and  $D_O = 0.8$  cm<sup>2</sup>/sec for Ca diffusion in commercial Fe. The rate of Ca diffusion

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Determining the coef	fficient of	S/13 A006	7/62/000/009/011/03 /A101	33
over the whole tempe times below the Cr	erature range of the KhN80 diffusion rate into the sa	OT alloy (up to ame alloy.	1,300°C) is several	۱ • .
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[Abstracter's note:	Complete translation]			
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Considering the texturing of a seccion in analyzing the intensity of the diffraction image from graphite careen materials. Konstr. uglegraf. mat. no.1:274-280 (44.)

Determining the specific weight of carbon graphite raterials by the method of K-ray wealening. Ibid.:291-295 (MIRA 17:11)

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## VIRGIL'YEVA, V.A.

Bilateral air cyst of the larynx. Vest. oto-rin. 25 no.2: 101-102 Mr-Ap '63. (MIRA 17:1)

1. Iz kliniki bolezney ukha, nosa i gorla (zav. - prof. I.B. Soldatov) Kuybyshevskogo meditsinskogo instituta.

THE REPORT OF THE PROPERTY OF

GUSSWA, ..., Potentic, VIRIN, L.I., student

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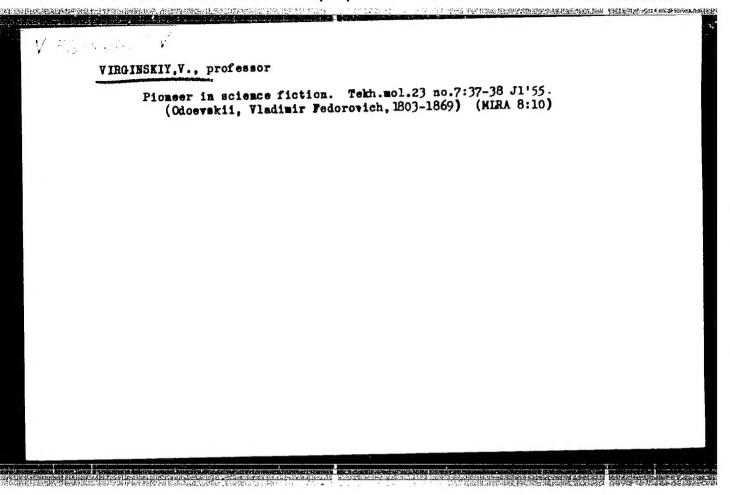
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VIRGINSKIY, V.

36814. Parovoz Cherpanovykh. K 115-letiyu so dlya otkrytiya N.-Tagil. Parovoy dorogi Cherepanovykh. Tekhnika--molodezhi, 1949, No 11, c. 14

SO: Letopis' Zhurnal'ynkh Statey, Vol. 50, Moskva, 1949

VIRGINSKIY, V., kandidat istoricheskikh nauk

Against distorting the history of Russia's transportation system.

Zhel.dor.transp. no.10:73-78 0'47. (MIRA 8:12)

(Railroads-History)

#### "APPROVED FOR RELEASE: 09/01/2001 CIA-

CIA-RDP86-00513R001860020013-0

RUSSKIYE IZOBARTATSII CHEREPAN VY I IKH ROL! V RAZVITII GORGO-PETALLERGI-CHERKOGO TROLZVODSTVA. POSKVA, IZD-VO DE BIVE, 1952. 23 P. FLIES. (VJZJOYUZ-HOYE OBSTORESTVO PO MAJEROLTE I ELIU POLITICHESIIKH I ELUCHAYYH Z.AMIY. 1952, SERIYA 2, NO. 30)

TO THE SECRETARY AND A SECRETA

VIRGINSKIY, V.S., prof.

Book on the oldest Transportation Institute ("V.H.Obraztzev Institute of Railroad Transportation Engineers in Leningrad." Reviewed by V.S. Virginskii). Zhel.dor.transp. 42 nc.11:92-94 N \*60. (MIRA 13:11) (Leningrad-Railroad engineering-Study and teaching)

VIRGINSKIY, Viktor Semenovich; SAVEL YEV, I.S., red.; KOZLOVSKAYA, M.D., tekhn.red.

[Greators of new machines and equipment in feudal Russia; lives and works of outstanding Russian inventors of the 18th and first half of the 19th century] Tvortsy novoi tekhniki v krepostnoi Rossii; ocherki zhizni i deistel nosti vydaiushchikhsia russkikh izobretatelei XVIII- per. pol XIX veka. Moskva, Gos. uchebno- pedagog. izd-vo M-va prosv. RSFSR, 1957. 365 p. (MIRA 11:5) (Inventors)

VIRGINSKIY, V.S.

USBR/Hiscellaneous

Card 1/1 Pub. 128 - 25/31

Authors . Virginskiy, V. S.

Title The important role of Cherepanov's family in the development of domes-

tic machine construction industry

Periodical : Vest. mash. 10, 98-105, Oct 54

Abstract A compilation of articles is given dealing with the biography of

Cherpanov's family and its role in the development of domestic machine construction industry. Eleven references: 10 USSR (1833-1953).

Tables; illustrations.

Institution : ...

Submitted : ...

VIRGINSELY, V.S., doktor istoricheskikh nauk.

Significance of the Cherepanovs master mechanics in developing domestic machine building. Vest.mash, 34 no.10:93-105 0 '54.

(Machinery industry) (Locomotives)

CONTROL OF THE PROPERTY OF THE

VIRGINSKIY, Viktor Semenovich, doktor istoricheskikh nauk, professor; ISIANKINA, T.F., redaktor; PURMAN, G.V., tekhnicheskiy redaktor

[George Stephenson, an outstanding English engineer and inventor; on the 175th anniversary of his birth] Dehorden Stefenson - vydaiushchiisia angliiskii inzhener-izobretatel; k 175-letiiu so dnia rozhdeniia. Moskva, Izd-vo "Znanie," 1956. 31 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser. 4, no.27)

(MIRA 9:9)

(Stephenson, George, 1781-1848)

VIRGINSKIY, VIKTOR SEMENOVICH

Canada de Caraca de Caraca

Zamechatel'nye russkie izobretateli Frolovy.

Moskva, Mashgiz, 1950. 150 (2) p. illus., facsims. (Iz istorii tekhniki)

Bibliographical references included in "Primechaniia" (p..lh2-lh9)

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The Frovlovs, outstanding Russian inventors.

DLG: Tho.F7V5

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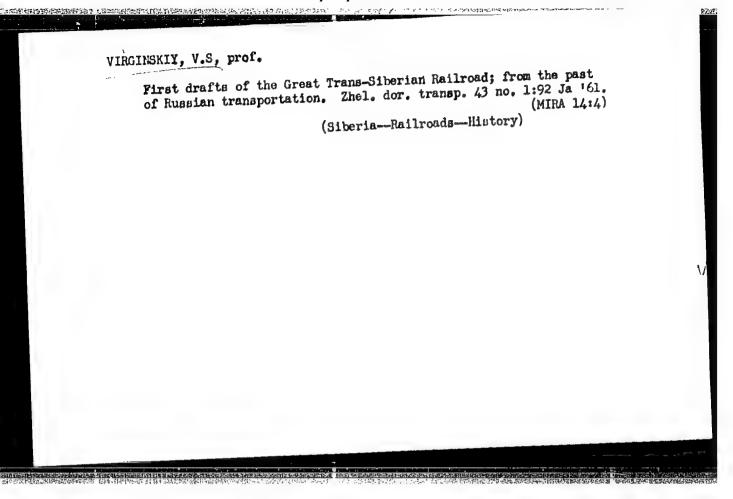
11/5 917.662 .C576

ZHIZN' I DEYATEL'NOST' RUSSKIKH MEKHANIKOV CHEREPANOVYKH (LIFE AND ACTIVITY OF THE RUSSIAN MECHANICS, THE CHEREPANOVS) MOSKVA, AKADEMKNIGA, 1956.

315, (2) p. ILLUS., DIAGRS., FACSIMS., PORTS., TABL'S.

AT HEAD OF TITLE: AKADEMIYA NAUK SSSR. INSTITUT ISTORI I YESTESTVOZNANI-YA I TEKHNIKI.

BIBLIOGRAPHY: p. 315-(316)



MATYUSHENKO, Demiyan Yakovlevich; MATYUSHENKO, Margarita Demiyanovna;
VIRGINSKIY, V.S., retsenzent; KIBAL'CHICH, O.A., retsenzent;
FREOBRAZHENSKIY, V.I., red.; USENKO, L.A., tekhm. red.

[Moscow - the Crimea; railroad guide]Moskva - Krym; zheleznodorozhnyi putevoditel'. Moskva, Transzheldorizdat, 1962. 103 p.

(Railroads-Guides)

(Railroads-Guides)

VIRGINSKIY, Viktor Semenovich, prof.; SAVEL YEV, I.S., red.; S41iNOVA, Ye.V., red. kart; KOVALENKO, V.L., tekhn. red.

[Creators of new equipment in Russia during the serfdom period; bio; biographies of outstanding Russian inventors of the 18th and the first half of the 19th century]Tvortsy novoi tekhniki v kreposnoi Rossii; ocherki zhizni i deiatel'nosti vydaiushchikhsia russkikh izobretatelei XVIII - per. pol. XIX veka. Izd.2. Moskva, Uchpedgiz, 1962. 405 p. (MIRA 15:12) (Industrial arts)

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20040 VIRGINSKIY, V. S. Sozdateli pervogo russkogo parovoza. /Te A. i M. Ye Chercpanovy/. Nauka i zhizi', 1949, No. 5, s. 33-34.

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VIRGINSKII, VIKTOR SEMENOVICH.

Rozhdenie vozdukhoplavaniia. The birth of air navigation. 7. Moskva, Red. tekhn.-teoret. lit-ry,1938. 116p. illus., ports. DLC: TL617.V5

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

VIRGINSKIY, V. S., DR.

Transportation - Equipment and Supplies

First Russian plant for building transportation machinery. Vest. mash. 32 No. 5 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952

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Machinery Industry.

FirstRussian plant for building transportation machinery, Vest Mash., 32, No. 5, 1952.

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The rise of the railroad industry in Russis up to the beginning of the 40's of the 19th century. Moskva, Gos. transp. zhel-dor. izd-vo, 1949. 272 p. maps. (50-31604)

1. Railroads-Russia-Hist.

GINSKIY, Viktor Semenovich.  beginning of the railroad industry in Russia, up to the forties of the 19th century.  kva. Pravda. 1949. 31 p. (50-35466)	
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Russian inventors, the Cherepanov family and their role in the development of the metal mining industry Moskva, Znanie, 1952.

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Distinguished Russian inventors, the Frolov family. Moskva, Gos. nauchnotekhn. izd-vo mashinostroit. lit-ry, 1952.

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Rozhdenie vozdukhoplavaniia. Moskva, Red. tekhn. - teoret. lit-ry, 1938. 116 p., illus., ports. Title tr.: The birth of aeronautics.

TL617.V5

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

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/Pravda/, 1910. Ši p. ilbr.

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SO: Soviet Transportation and Communication, A sicilorating, Library of Congress, Reference Department, Washington, 1982, Unclassified.

- 1. VIRGINSKIY, V. S.
- 2. USSR (600)
- 4. Industrial Arts History
- 7. Falsification of the history of technology in the post-war bourgeoise literature. Izv. AN SSSR. Otd. tekh. nauk no. 2, 1952

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VIRI, S		
	P. PAUSES, V. LAIN, J. VAHA and S. VIFI. Redical Faculty for Charles University an	
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	"Metabolism of Serotonia in Paychotics."	•
	Proque, Guskuclovennka Tsychlattle, Vol	
	Abstract [Faglish summary modified]: Stract excretion in 32 psychotic patients are the schizephronic and many many changed the exertic anoch therapy changed the exer directions, the latter increasing its decreased exertion in 10 schizophrenic indole metabolites; 4 graphs; 4 Granh a	aine of Sonydroxy-indulatelic and SG normal controls. In nic-depressive group exerction the controls. Iproniacid and ecton; the former in both Serotonin administration of Tryptophan
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# VIRIJEVIC, :..

Determining coordinates by panoramic photograms in artillery. 5. 52. (GLASHIK, Vol. 11, No. 2, Feb. 1957)

SO: Monthly List of East European Accessions (EEAL) IC Vol. 6, No. 12, Dec. 1957 Uncl.

VIRILEP.	P. R.		PA 43/49T59	
	. Apr 49	of Workers of Factory Laboratories   Enterprises" 4 pp   Vol XV No h	Conference met 13 Dec 48, with representatives of 71 machine-building factories, 16 scientific research institutes, and 12 higher technical schools taking part. P. R. Virilep, director, Cen Leb, Elektrosila Factory inheritated a report on methods by which factory laboratories aid production.  Elektrosila Factory laboratories aid production.  Gen Lab, Factory ineni Stalin, submitted a report detailing important research in producing new types of high-quality steel with increased strength, capable of prolonged work at high temperatures.  This will permit further technical progress in turbo construction. NA. Dumler, director, Cen Lab, Krasnograndeyets Factory, submitted a report on economic leaders' aid to factory production.  The factory has been equipped with new instruments and apparatus.	43/49159
	USSR/Engineering Industrial Equipment Electrical Equipment	"Conference of Workers of Factoin Leningred Enterprises" 4 pp	Conference met 13 Dec 48, with representational machine-building factories, 16 scientific institutes, and 12 higher technical schools part. P. R. Viriley, director, Can Lab, Elegatory imeni Kirov, submitted a report on by which factory laboratories aid productic Elektrosila Factory is largest USSR electricachine-building factory. M. Ya. Chizhik, Gen Lab, Factory imeni Stalin, submitted a detailing important research in producing types of high-quality steel with increased capable of prolonged work at high temperature turbs construction. N. A. Dumler, directofurbs on economic leaders' aid to factory producing on economic leaders' aid to factory producing the factory has been equipped with new instand apparatus.	

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ACC NR: AP7003740 (N)SOURCE CODE: UR/0314/67/000/001/0032/0034

AUTHOR: Virlich, E. E. (Engineer); Domashnev, A. D. (Doctor of technical sciences)

ORG: none

TITLE: Effect of adhesive film thickness on durability of adhesion bonds of

SOURCE: Khimicheskoye i neftyanoye mashinostroyeniye, no. 1, 1967, 32-34

TOPIC TAGS: adhesion, adhesive, adhesive bonding

ABSTRACT: In a study of adhesive bonds subject to lead stress and to action by liquid media, tests were made with various grades of steel, brass, and copper cylinders 20 mm in diameter. These had adhesive bonds of varying thickness, based on ED-5 epoxy and PEPA polyethylene-polyamine hardener heat treated for 4 hr at 120C. Test cylinders in a test stand and immersed with it in distilled water with pH 6.6, then stressed to rupture point. Thickness of adhesive joints, time from immersion to rupture, and breaking torsion were recorded and indicated on graphs. It was demonstrated that the thinner the film of adhesive, the stronger the bond. Durability coefficients are derived for various metals and for powdered adhesive fillers such an ZnO, Bi, and Al. The exact role of such fillers is not explained, but their effect on the durability coefficient is discussed and tabulated. Corundum burnishing of metal surfaces before joining improves adhesion. Burnished duraluminum had optimal adhesion with a film 180--280-\mu thick, whereas St-3 steel and brass uDC: 621.792.3.001.6:663.6

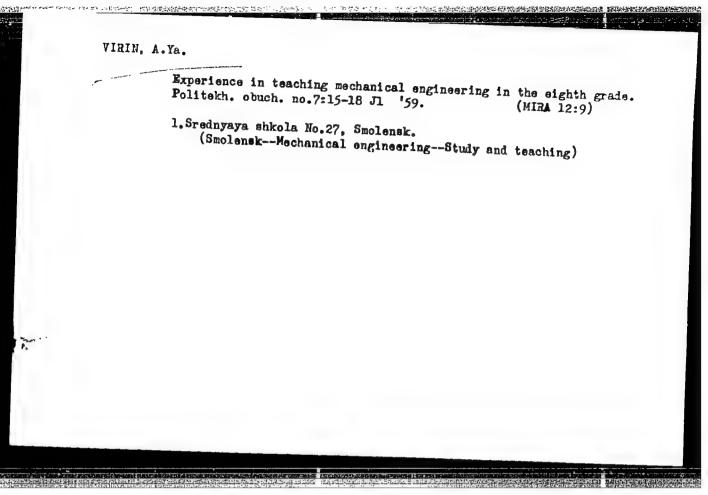
APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860020013-0"

ACC NRI AP7003746

had optimal adhesion with film  $250-500-\mu$  thick. Adhesive less than  $100-200-\mu$  thick is not durable in water, but further experimentation is necessary to determine adhesion efficiency in more aggressive media, also the physicochemical interactions of metals with epoxy adhesives. Orig. art. has: 4 formulas, 1 table, and 5 figures.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 003

Card 2/2



VIRIN, D. [Viryn, D.], zhurnalist (Khar'kov)

Scientist's luck. Nauka i zhyttia 11 nc.7:41 42 J1 :61.

(Corn(Maize))

(MIRA 14:8)

SHISHAKOV, V.A.; STAMEYKINA, I.A. (Yaroslavl'); GUBIN, P.A. (Leningrad);
VIRIN, A.Ya. (Smolensk)

Schools and planetariums. Fiz. v shkole 23 no.3:49-54 My-Je
163. (MIRA 16:12)

1. Predsedatel' ucheba - codicheskoy sektsii Moskovskogo planetariya (for Shishakov).

RAFAL'SON, D.I., kand.med.nauk; RABINOVICH, S.I., nauchnyy sotrudnik (Leningrad); Logvinova, O.K. (Irkutsk); Okorokov, N.I.; VIRIN, I.Ya. (Smolenks); GEKHMAN, S.I., kand.med.nauk (Kiyev).

Acceleration of the regeneration of blood in donors in various cities of the Soviet Union following use of the preparation Hemoglobin 4. Akt. vop.perel.krovi no.4:15-18 55. (MIRA 13:1)

l. Donorskiy otdel i laboratoriya sukhikh preparatov krovi (zav. laboratoriyey - doktor med.nauk L.G. Bogomolova) Leningradskogo instituta perelivaniya krovi.

(HEMOPOIETIC SYSTEM)

BREMENER, S.M.; VIRIN, I.Ya.; ZUBKOVA, Ye.I.; ROGOVA, K.P.

Metabolism of vitamins B , B , C, PP, and of pantothenic acid in patients with stomach cancer. Vop. onk. 11 no.12:21-2' '65. (MIRA 19:1)

l. Iz Gosudarstvennogo instituta vitaminologii Ministerstva zdravookhraneniya SSSR (dir. - kand. biol. nauk M.I. Smirnov) i Gosudarstvennogo onkologicheskogo instituta imeni Gertsena (dir. - prof. A.N. Novikov), Moksva.

VIRIN, L.I.; SAFIN, Yu.A.; TREGER, Yu.A.; DZHAGATSPANYAN, R.V.

Mass spectra and structure of some allyl derivatives. Zhur.fiz.
khim. 39 no.11:2824-2826 N '65.

(MIRA 18:12)

VIRIN, L.I.; BUSHINSKAYA, L.M.; DZHAGATSPANYAN, R.V.

Analysis of methallyl chloride by gas-liquid chromatography.
Zav.lab. 29 no.11:1301-1302 '63. (MIRA 16:12)

#### "APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860020013-0

5(2)

SOV/80-32-5-21/52

AUTHOR:

Virin, L.I.

TITLE:

The Investigation of the Cxidation Process of Aluminum Powder in Water-Alcohol Solutions

PERIODICAL:

Zhurnal prikladnov khimii, 1959, Vol 32, Nr 5, pp 1050-1054 (USSR)

ABSTRACT:

Aluminum powder is oxidized in boiling water-alcohol solutions in order to obtain colored aluminum powders for decoration purposes. The alcohol slows down this reaction. The process is divided into three stages: the induction stage with slow separation of hydrogen at nearly constant rate; the kinetic stage with continuously increasing rate; the diffusion stage with decreasing rate and the ending of the reaction. The oxidation of the metal can be effected only by those water molecules which penetrate a fatty layer on its surface, so that the rate of reaction is determined by the rate of diffusion. The formed hydrogen bubbles tear off the fat particles and cause the reaction to proceed faster, so that the induction stage passes to the kinetic stage. Later on the surface is covered by a layer of hydrated aluminum oxide which slows down the reaction again. The thickness of the film depends on the initial concentration of the water. An increase

Card 1/2

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The Investigation of the Oxidation Process of Aluminum Powder in Water-Alcohol Solutions

in the volume of the solution by 2-5 times reduces the duration of the reduction period, probably by dissolving the fatty film. In a mixture containing 35 weights of water a film of anhydrous aluminum oxide is formed. A reduction of the water concentration in the solution leads to an increase of water in the film. At 20% water in the solution the film has the composition of bemite. Experiments with isopropyl alcohol and acetone dissolved in water have shown that these substance also slow down the reaction.

There are: 5 graphs, 1 table and 5 references, 3 of which are Soviet, 1 German and 1 French.

SUBMITTED:

March 28, 1958

Card 2/2

VIRIN, M.Ya.

Lowering the cost of repair for each car. Zhel.dor.transp. 37 no.5: 49-51 My '56. (MIRA 9:8)

1. Glavnyy bukhgalter vagonnoy sluzhby Moskovsko-Kursko-Donbasskoy dorogi.

(Railroads--Cars--Maintenance and repair)

一个学校的中产的经验的影響的對於學院的學校也對於學學的學術的

GOL'DERTHYN, A.I., inzh.; VIRKERMAN, R.B., jazit.

Preventing the overloading of motor cranes. Transp.stroi. 10 (MIRA 13:6)

(Cranes, derricks, etc.)

VIRKERMAN, R.G., otv. za vyp.

[Scientific and technical information; ceramic-perlite products] Nauchno-tekhnicheskaia informatsiia; keramoperlitovye izdeliia. Kiev, 1962. 12 p. (MIRA 17:1)

1. Akademiya budivnytstva i arkhitektury URSR. Instytut budivel'nykh materialiv i vyrobiv.

Under new conditions ("Cultivation with one's own machinery"; collected articles. Reviewed by S. Viryn). Mekh.sil'.hosp. 9 m.ll: 31-32 N '58.

(Agricultural machinery)

a may need not pulpersymmetry the addresses.	The twenty-year-old trade union court education. Munks 15 no.3:6-7 Mr 165.
	1. Secretary General, Trade Union of Local Industry To last 12. Budapest.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860020013-0"

AND THE PROPERTY OF PROPERTY PROPERTY OF THE P

# VIRIZLAY, Gyula

Competition between brigades and certain individuals. Munka 14 no. 2: 8-9 F 164.

Helyiipari es Varosgazdalkodasi Dolgozok Szakszervezete fotitkara.

VIRIZLAY, Gyula

New characteristics of the work of the Trade Union for Metallurgical Workers. Munka 8 no.12:4-5 D '58.

1. Kohasz Szakszervezet fotitkara.

# VIRIZLAY, Gyula

Significance and experiences of social work. Munka 13 no.6: 16-17 Je  $^163$ .

1. Helyiipari Dolgozok Szakszervezete fotitkara.

BIRUMBAUM, Yo.f., kand. tekha. nauk, nauchnyy setrudnik; IL.THIKOVA, K.M., nauchnyy sotrudnik; Vish.R., E.a., nauchnyy sotrudnik;

Physicomechanical properties and spinnibility of polynosis fiters. Tokat. prom. 24 no.7:31-35 Jl 164. (MRA 17:10)

1. TSentral'nyy nauchno-issledovatel'skiy institut khlorehatebarazhney promyzhlennosti (TsNIKhbI).

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860020013-0"

AKUMUSHKIN, I.I.; BARANOVA, Z.I.; BRODSKIY, K.A.; YIRKETIS, M.A.;
VOLODCHEKO, N.I.; GALKIN, Yu.I..; GUR'YANOVA, YO.Y.; DOGEC'
V.A.; D'YAKOHOV, A.M.; ZEVIHA, G.B.; IVAHOV, A.V.; KIR'YAHOVA,
YOS.; KOBYAKOVA, Z.I.; KOLTUN, V.M.; KOHZHUKOVA, YO.D.;
KOROTKEVICH, V.S.; KLYUGE, G.A.; LOZIMA-LOZINSKIY, L.K.;
LOHAKINA, N.B.; NAUMOV, D.V.; PERGAMENT, T.S.; HESHETHYAK,
V.V.; SAVEL'YEVA, T.S.; SKARLATO, O.A.; SOKOLOV, I.I.;
STHELKOV, A.A.; TARASOV, N.I.; USHAKOV, P.V.; SHCHEDRINA, Z.G.
YAKOVLEVA, A.M.; USHAKOV, P.V., obshchiy rukovoditel';
PAVLOVSKIY, YO.N., akademik, redaktor; STRKIKOV, A.A. redaktor;
BRODSKIY, K.A., redaktor; ARONS, R.A., tekhnichoskiy redaktor.

[Atlas of invertebrates of the Far Bast seas of the U.S.S.R.] Atlas bespozvonochnykh dal'nevostochnykh morei SSSR. Moskva, Izd-vo Akad.nauk SSSR, 1955. 240 p., 66 plates. (MLRA 8:10)

1. Akademiya nank SSSR. Zoologicheskiy institut, (Soviet Far East--Invertebrates)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860020013-0"

VIRKETIS, M.A. [deceased]; ZHADINA, T.G.

Brief characterization of the zooplakton in the coastal waters of Paramushir Island. Trudy Inst.okean. 36:230-235 '59.

(MIRA 15:4)

1. Zoologicheskiy institut AN SSSR.

(Paramushir Island region--Zooplakton)

VIRKH, Iza; DOLGOFYATOV, Yu.A., red.; ZLOBIN, M.V., tekhn. red.

[My experience in feeding cattle for milk] Moi opyt razdoia korov. Alma-Ata, Kazakhakoe gos. izd-vo, 1956. 13 p. (MIRA 1117)

 Doyarka kolkhoza imeni Malenkova, Kellerovskogo rayona, Kokchetavskoy oblasti (for Virkh). (Kazakhetan-Dairy cattle-Feeding and feeding stuffs)

TO THE THE PROPERTY AND A SECRETARIAL EXPOSES PERSONAL PROPERTY AND A SECRETARIAN AN

SMULEVICH, A.B.; VIDMAHOVA, L.N.; VIRKHOVSKAYA, T.V.; LEVIN, V.M.

Use of acepromazine in the treatment of mental patients. Zhur. newr. 1 psikh. 61 no.6:890-895 '61. (MLC: 15:2)

1. Kafedra psikhiatrii (zav. - prof. A.V.Snezhnevskiy) TSentral'nogo instituta usovershenstvovaniya vrachey i psikhonevrologicheskaya bol'nitsa imeni Gannushkina (glavnyy vrach V.N.Rybalka), Moskva. (ACEPROMAZINE) (MENTAL ILLNESS)

AUTHOR: Virko, L. Forenan in Charge of Industrial Training 27-58-6-34/35

TITLE: None given

PERIODICAL: Professional'no-Tekhnicheskoye Obrazovaniye, 1958, Nr 6,

page 3 of cover (USSR)

ABSTRACT: Students of the Technical School Nr 10 in Brest have con-

structed many models of different railway bridges, junctions

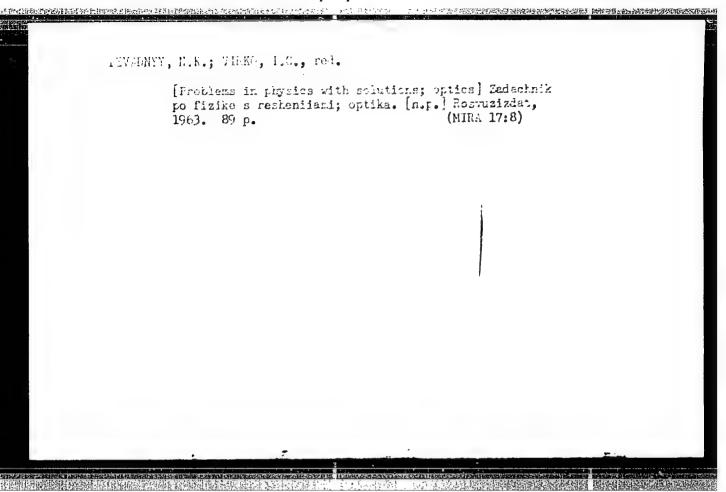
and so on.

There is 1 photo.

ASSOCIATION: Teknicheskoye uchilishche Nº 10, g. Brest (Technical School

Nr 10, Brest)

Card 1/1 1. Models-Construction-Study and teaching 2. Education-USSR



VAYSENBERG, Aleksandr Ovseyovich; Kuzlov, V.D., red.; VIRKO, I.G., red.

[Mu-mesons] Miu - mezon. Moskva, Izd-vo "Nauka," 1964.

399 p. (MHRA 17:7)

STAROSEL'SKAYA- NIKITINA, Ol'ga Andreyevna; DORFMAN, Ya.G., prof., red.; VIRKO, I.G., red.; PLAKSHE, L.Yu., tekhn. red.

[Paul Langevin]Pol' Lanzheven. Pod red. IA.G.Dorfmana. Moskva, Fizmatgiz, 1962. 316 p. (MIRA 15:11) (Langevin, Paul, 1872-1946)

是就是最高的。 第18章 1855 — 1855 — 1855 — 1855 — 1855 — 1855 — 1855 — 1855 — 1855 — 1855 — 1855 — 1855 — 1855 — 1855 — 1855 —

AL'PERT, Yakov L'vovich; GUREVICH, Aleksandr Viktorovich; PITAYEVSKIY, Lev Petrovich; SILIN, V.P., retsenzent; VIRKO, I.G., red.

[Artificial satellites in rarefied plasma] Iskusstvennye sputniki v razrezhennoi plazme. Moskva, Izd-vo "Nauka," 1964. 382 p. (MIRA 17:6)

LANDAU, Lev Davydovich, akademik; LIFSHITS, Yevgeniy Mikhayiovich, prof.; VIKKO, 1.3., rel.

[Statistical physics] Statisticheskaia fizika. Izd.2., perer. Mogkyn, Nauka, 1964. 567 p. (MIRA 18:1)

LANDAU, Lev Davydovica, akademik; LIFSHITS, Yevgeniy Mikhaylovich, prof.; VIRKO, I.G., red.

[Mechanics] Mekhanika. Mockva, Nauka, 1965. 203 p.

[Theory of elasticity] Teor\_a uprugosti. Moskva, Nsuka, 1965. 202 p.

(8:81 anas)

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MITROPOL'SKIY, Yuriy Alekseyevich; VIRKO, I.G., red.; KRYUCHKOVA, V.N., tekhn. red.

[Problems in the asymptotic theory of nonsteady-state oscillations] Problemy asimptoticheskoi teorii nestatsionarnykh kolebanii. Moskva, Izd-vo "Nauka," 1964. 431 p. (MIRA 17:3)

AGRANOVICH, Vladimir Moiseyevich; GINZBURG, Vitaliy Lazarevich; VIRKO, I.G., red.; RAYSKAYA, N.A., red.

[Crystal optics with allowance for spatial dispersion and excition theory] Kristallooptika s uchetom prostranstvennoi dispersii i teoriia eksitonov. Moskva, Nauka, 1965. 374 p. (MIRA 18:5)

KOMPANEYETS, Aleksandr Solomonovich; YIRKO, 1.G., rod.

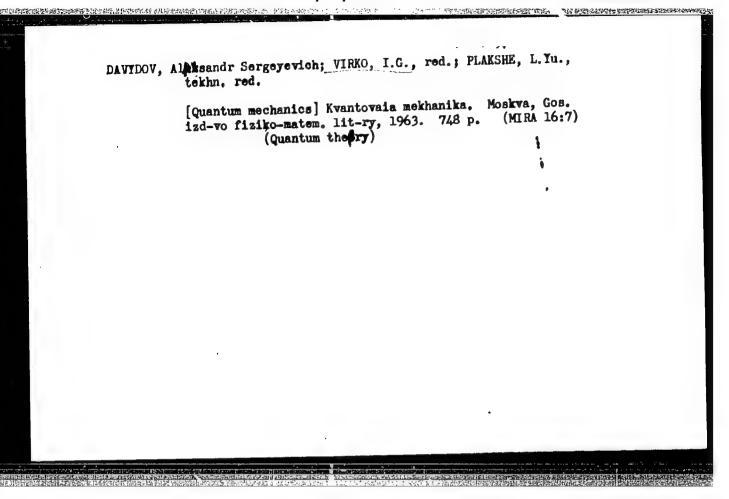
[What is quantum mechanics?] Onto takee kvantovaia mekhanika? Moskva, Nauka, 1961. 130 p. (MIRA 17:12)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860020013-0"

SANIN, Aleksey Aleksandrovich; VIRKO, I.G., red.

[Electronic devices in nuclear physics] Elektronnye pribory iadernoi fiziki. Izd.2. Moskva, Nauka, 1964. 623 p.

(MIRA 17:12)



BURGHTEYN, Anatoliy Izrailevich; VIRKO, I.G., red.; YERMAKOVA, Ye.A., tekhn. red.

[Physical principles of the design of semiconductor thermoelectric devices] Fizicheskie osnovy rascheta poluprovodnikovykh termoelektricheskikh ustroistv. Moskva, Fizmatgiz, 1962. 135 p. (MIRA 15:7) (Thermoelectricity) (Thermoelectric generators)

SKACHKOV, Sergey Vladimirovich; KONSTANTINOV, Leonard Vasil'yevich; STROGANOVA, Rimma Petrovna; YUROVA, Lidiya Nikolayevna; .TOPORKOVA, Eleonora Petrovna; VIRKO, I.G., red.; AKSEL'POD, I.Sh., tekhn. red.

[Problems in nuclear physics] Sbornik zadach po iadernoi fizike. Izd.2., perer. Moskva, Fizmatgiz, 1963. 222 p. (MIRA 16:8)

(Nuclear physics)

ZAYDEL', Aleksandr Natanovich; VIRKO, I.G., red.; OSTROVSKIY,
Yu.I., red.

[Fundamentals of spectrum analysis] Osnovy spektral'noge
analiza. Moskva, Nauka, 1965. 322 p. (MIRA 18:4)

FEDOROV, Fedor Ivanovich; VIRKO, 1.G., red.

[Theory of elastic waves in crystals] Teoriia uprugikh
voln v kristallakh. Moskva, Nauka, 1965. 386 p.

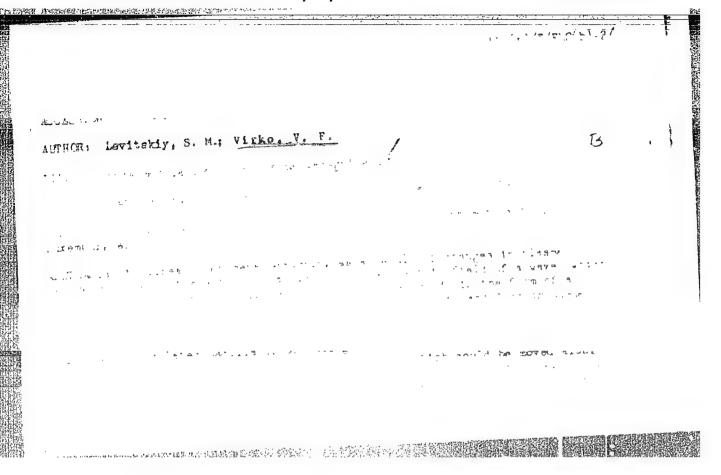
(MIRA 18:3)

Jeth Complete technichestic nauk; VIRKO, N.P., kendidet technicaestich week.

Durability and performance of end wills in cases of shirt of the workpiece in relation to the cutter. [Trudy] TSNIITMADH no. 72:57-80 (MERA 17:9)

157. (Milling mechines)

Dissertation: "Investigation of the affect of the Malative Position of Black and Sutter on the Strength and Productivity of Hard-Ailoy Face Cutters." Cand Teck Joi, Central on the Strength and Productivity of Hard-Ailoy Face Cutters." Cand Teck Joi, Central on the Strength and Productivity of Hard-Ailoy Face Cutters." Cand Teck Joi, Central on the Strength and Productivity of Hard-Ailoy Face Cutters." Cand Teck Joi, Central on the Strength and Pack Joi, Central on the Strength and Pack Joi, Central on the Strength and Productivity of Hard-Ailoy Face Cutters." Cand Teck Joi, Central on the Strength and Productivity of Hard-Ailoy Face Cutters." Cand Teck Joi, Central on the Strength and Productivity of Hard-Ailoy Face Cutters." Cand Teck Joi, Central on the Strength and Productivity of Hard-Ailoy Face Cutters." Cand Teck Joi, Central on the Strength and Productivity of Hard-Ailoy Face Cutters." Cand Teck Joi, Central on the Strength and Productivity of Hard-Ailoy Face Cutters." Cand Teck Joi, Central on the Strength and Productivity of Hard-Ailoy Face Cutters." Cand Teck Joi, Central on the Strength and Productivity of Hard-Ailoy Face Cutters." Cand Teck Joing March Productivity of Hard-Ailoy Face Cutters." Cand Teck Joing March Productivity of Hard-Ailoy Face Cutters." Cand Teck Joing March Productivity of Hard-Ailoy Face Cutters." Cand Teck Joing March Productivity of Hard-Ailoy Face Cutters." Cand Teck Joing March Productivity of Hard-Ailoy Face Cutters." Cand Teck Joing March Productivity of Hard-Ailoy Face Cutters." Cand Teck Joing March Productivity of Hard-Ailoy Face Cutters." Cand Teck Joing March Productivity of Hard-Ailoy Face Cutters." Cand Teck Joing March Productivity of Hard-Ailoy Face Cutters." Cand Teck Joing March Productivity of Hard-Ailoy Face Cutters. The Productivity of H





SMIRNOVA, G.A.; VIRKUS, A.Yu.

Gas-liquid chromatography of methyl esters of higher fatty acids of li 'd components of the Sendai virus. Vop. virus 9 no.4:417 421 Jl-Ag '64. (MIRA 18:7)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.

# "APPROVED FOR RELEASE: 09/01/2001

# CIA-RDP86-00513R001860020013-0

SOURCE CODE: UR/0141/66/009/004/0691/0696 EWT(1) L 43922-66 ACC NR: AP6026932 AUTHOR: Virko, V. F.; Levitskiy, S. M. ORG: Kiev State University (Kiyevskiy gosudarstvennyy universitet) TITLE: Nonlinear phenomena in plasma waveguide 15 SOURCE: IVUZ. Radiofizika, v. 9, no. 4, 1966, 691-696 TOPIC TAGS: plasma waveguide, waveguide propagation, medical nonlinear ABSTRACT: Variations of parameters of a plasma waveguide depending on SHF-signal plasma power were investigated; these variations were caused by an increased electron concentration in the plasma which resulted from an additional gas ionization by the SHF field. The experimental outfit used had been described by one of the authors in IVUZ. Radiofizika, no. 4, 1961, 1078. An oscillogram shows shortening of the wavelength along the plasma waveguide: the wavelength rapidly shortens to the point of the plasma break where the phase velocity vanishes. It was found that the parameters of the wave propagating in the plasma waveguide substantially depend on the power of this wave. When the SHF signal power is commensurate with the power sustaining the plasma, both the attenuation and the phase velocity appreciably vary in the waveguide. As the signal power increases, the attenuation decreases and UDC: 621.372.853.32 Card 1/2

Les es l'expanses les la réconstructions de la commencia de la

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few microseconds. These res	es, their values changing along the waveguide length. ied, all the above nonlinear effect, develop during a cults are in good agreement with those obtained by researchers (references given). Orig. art. has: 5 figures
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VIRKUS, M.

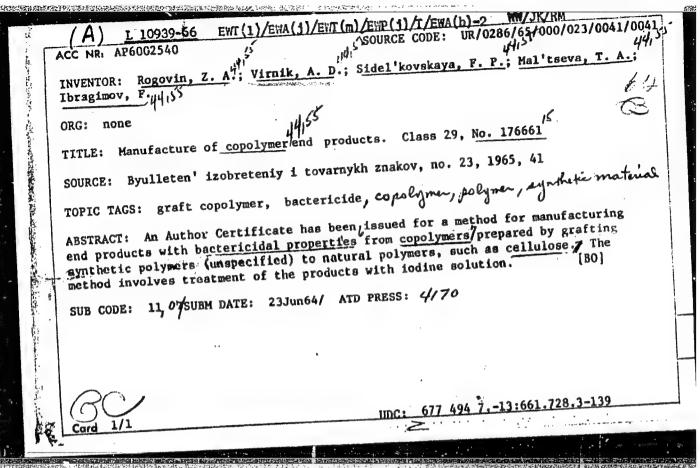
Fresh vegetables for Tallinn restaurants. Obshchestv. pit. no.4:21 Ap '59. (MIRA 12:6)

1.Direktor teplichne-parnikovogo khosyaystva, Tallinn. (Tallinn--Vegetable gardening)

L 10184-66 EWT(m)/ETC/EWU(m) ACC NRi AP5028482 44/55	SOURCE CODE: UR/0286/65/000/020/0065/0065
AUTHORS: Rogovin, Z. A.; Virn	
ORG: none	7,441,55
TITLE: Method for obtaining o	eation-exchange materials. Class 39, No. 175648
SOURCE: Byulleten' izobreteni	y i tovarnykh znakov, no. 20, 1965, 65
TOPIC TAGS: ion exchanger, io changer	on exchange resin, ion exchange, polymer, cation ex-
materials by treating polyviny polyfunctional acids. To obta	cate presents a method for obtaining cation-exchange lalcohol or products derived from the latter with in thermally and chemically stable materials mono- and mino) derivatives of chlorotriazines are used as poly-
SUB CODE: 11, 07/ SUBM DATE:	19Jun63
Card 1/1/	UDC: 661.183.123.2:678.744.72

# "APPROVED FOR RELEASE: 09/01/2001

# CIA-RDP86-00513R001860020013-0



EHOMYAK.R. R.P., FEHENZHIK, M.A.; VIRRIK, A.D.; ROGOVIN, Z.A.

Synthesis of dialdehydo and dicarboxyl dextrans. Vysokom. soed. 7 no.6:
1.030-1034 Js '65.

1. Moskovskiy tekstil'zyy institu...

KHOMYAKOV, A.J.: VIRNIK, A.D.: USHAKOV, S.N. [deceased]; ROGOVIN, Z.A.;

Frinimal bichastiye: PEMENZHIK, M.A.

Synthesis of polymeric medicinal compounds based on dextran derivatives.

Vynokom. soed. 7 no.6:1035-1040 Je '65. (MIRA 18:9)

1. Moskovskiy tekstil'nyy institut.

BALABAYEVA, M.D.; SHARKOVA, Ye.F.; ZHBANKOV, R.G.; VIRNIK, A.D.; ROGOVIN, Z.A.

Infrared spectroscopy method of studying the structure of some graft copolymers of cellulose. Vysokom.soed. 7 no.10:1763-1766 0 165. (MIRA 18:11)

1. Moskovskiy tekstil nyy institut.

SHARKUWA, Ye. F.; Vendina, A. W.; HESPYIN, Y. L.

Typineds of celimics enter containing a fouble bond, and fine prhymer analog convenience, law, eye, which, takin, bakh, 8 no.3si65-468 \*65. (MIRA 18410)

R. Moskowskiy tekebilinyy inabitut, kafedra khimicheskikh yelokon.

ACC NR: AP5026428	0
increases to 2.5%, and that when the ${ m Fe}^{3+}/{ m H_2O_2}$ system is used, less consolutions can be used than in the case of ${ m Fe}^{2+}/{ m H_2O_2}$ . Orig. art. has: 4 ta	centrated H <sub>2</sub> O <sub>2</sub>
SUB CODE: 11,07 / SUBM DATE: 11Jul64 / ORIG REF: 002	
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MAL'TSEVA, T.A., aspirant; VIRNIK, A.D., starshiy nauchnyy sotrudnik; ROGOVIN, Z.A., prof.; SHCHEGLOVA, G.V., aspirant; VASHKOV, V.I., prof.

Antibacterial cellulose fibers and fabrics. Tekst. prom. 25 no.4:15-17 Ap '65. (MIRA 18:5)

1. Moskovskiy tekstil'nyy institut (for Mal'tseva, Virnik, Rogovin). 2. TSentral'nyy nauchno-issledovatel'skiy dezinfektsionnyy institut (for Shcheglova, Vashkov).

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MAL'TSEVA, T.A., aspirant; VIRNIK, A.D., starshiy nauchnyy sotrudnik; ROGOVIN, Z.A., prof.; SHCHEGLOVA, G.V., aspirant; VASHKOV, V.I., prof.

Antimicrobic synthetic fibers and fabrics. Tekst. prom. 25 no.9:31-32 S '65. (MIRA 18:10)

1. Moskovskiy tekstil'nyy institut (for Mal'tseva, Virnik, Rogovin). 2. TSentral'nyy nauchno-issledovatel'skiy dezinfektsion-nyy institut (for Shcheglova). 3. Direktor TSentral'nogo nauchno-issledovatel'skogo dezinfektsionnogo instituta (for Vashkov).

WIRNIK, A.D., inzh.

Reaction of reactive dyes with (-amino acids. Izv.vys.ucheb.zav.; tekh.leg.prom. no.5:40-43 '60. (MIRA 13:11)

l. Moskovskiy tekstil'nyy institut. Rekomendovana kafedroy organicheskoy khimii i khimii krasiteley.

(Dyes and dyeing) (Amino acids)

SHARKOVA, Ye.F.; VIRNIE, A.D., ROGOVIN, A.A.; Prinimala uchastiye: SHIVAROVA, TK.K.

Polymor analog conversions of a graft copolymer of cellulose and polyglychdyl methacrylate. Vysokom.sced. 6 no. 9:951-956 My '64. (MIRA 17:0)

1. Moskovskiy tekstil'nyy institut.

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ACCESSION NR: AT4017406

8/0000/63/000/000/0032/0036

AUTHOR: Lishevskays, M. O.; Virnik, A. D.; Rogovin, Z. A.

TITLE: Synthesis of new derivatives of cellulose and other polysaccharides. XXXI. Introduction of new functional groups into a macromolecule of modified cellulose containing aromatic amino groups

SOURCE: Tsellyuloza i yeye proizvodny\*ye, sbornik statey (Gellulose and its derivatives). Moscow, 1963, 32-36

TOPIC TAGS: cellulose, polysaccharide, modified cellulose, cellulose derivative

ABSTRACT: This work was undertaken to explore the possibility of the synthesis of iodine-, thiocyano-, oxime-, aldehyde-, sulfhydryl- and arylhydrazine-N',N''-disulfo- containing derivatives of cellulose, of which the one containing a sulfhydryl group is of particular interest since this group imparts cation exchange ability to polysaccharide derivatives. Cellulose was alkylated with 4- A -hydroxy-ethylsulfonylanilinesulfate and diazotized, after which the product was: a) treated at 40C for 24 hrs. with aqueous solutions of KI (2.5-20%) to yield a product with 13.7% I; b) treated at room temperature for 24 hrs. with KSGN and FeCl3 to yield a product with 3.08% SCN; c) treated at room temperature for 1 hr. with

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# ACCESSION NR: AT4017406

formaldoxime in the presence of CuSO<sub>4</sub> and Na<sub>2</sub>SO<sub>3</sub> to yield a product with 1.97% N; d) treated at room temperature for 0.5-24 hrs. with 0.6 - 9% Na<sub>2</sub>S<sub>2</sub> to yield a product with 6.93% S and a cation exchange ability of 1.6 meq/g; e) treated at room temperature for 3 hrs. with 5% Na<sub>2</sub>SO<sub>3</sub> to yield a product with 5.9% S. Orig. art. has: 2 graphs and 10 structural formulas.

ASSOCIATION: Moskovskiy tekstil nyty institut (Moscow Textile Institute)

SUBMITTED: 09Feb62

DATE ACQ: 06Jan64

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NCL: 00

SUB CODE: OC, MT

NO REF SOV: 007

OTHER: . 002

Card 2/2

Synthesis of sulfo derivatives of cellulose. Zhur.grikl.

Khim. 37 no. 5:1156-1158 My '64. (MIRA 17:7)

5.1370,5.3610

75667 SOV/80-32-10-16/51

AUTHORS:

Bogoslovskiy, B. M., avorskiy, B. M., Virnik, A. D.

TITLE:

Concerning the Application of Thermal Diffusion to

Dye Refining

PERIODICAL:

Zhurnal prikladnov khimii, 1959, Vol 32, Nr 10,

pp 2225-2229 (USSR)

ABSTRACT:

The article reports on the results of preliminary studies on thermal diffusion refining of dyes. Laboratory tests were made in a metal apparatus (Fig. 2) and a glass apparatus built along the same lines. The investigated dye or dye mixture solutions (congored, acid blue, acid orange) of 2 to 4% concentration were introduced at the middle of the column heated by an electric coil with temperature regulated by a LATR-1 autotransformer. The concentration of the original solution as well as that of the samples drawn from the top and bottom of the column was determined colorimetrically with a type FEK-M photoelectric colorimeter and appropriate light filters.

Card 1/5